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Amendments to the Specification:

Please replace the title with the following amended title:

IMPROVED STABILIZATION STRUCTURE FOR CPP GMR/TV

NM
3/15/07

Please replace the paragraph, which begins on page ⁷9, line 8, with the following paragraph which has been amended as follows:

The present invention includes a read head sensor 50 which is constructed as shown in Fig. 5, which is a front plan view as seen from the Air Bearing Surface (ABS). A seed layer 52 lies on top of a layer of Anti-Ferromagnetic (AFM) material 72, and beneath a first pinned layer 54, preferably fabricated from CoFe. A separation layer 56 preferably of Ru separates the first pinned layer 54 from a second pinned layer 58. Next a barrier layer 60 preferably of Cu is fabricated upon the second pinned layer ~~[[60]]~~ 58, and the free layer 62, which is made of magnetically soft ferromagnetic material is deposited upon the barrier layer 60. On top of the free layer 62 is the in-stack biasing structure 78 which includes a spacer layer 64, again preferably comprised of Cu, followed by a first paired layer 66 and a second paired layer 70, both preferably comprised of CoFe, which are separated by a layer of Ru 68. The structure is topped by a layer of Ta 74.